



Samsung Galaxy S4 Mini USB Board Replacement

Replacement of the USB Board, which contains the charging port and headphone jack

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INTRODUCTION

Use this guide to replace the USB board in the event of an inability to charge.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Tweezers](#) (1)



PARTS:

- [Samsung Galaxy S4 Mini Charging Assembly \(Sprint\)](#) (1)
- [Samsung Galaxy S4 Mini Charging Assembly \(AT T\)](#) (1)

Step 1 — Turn off the cell phone



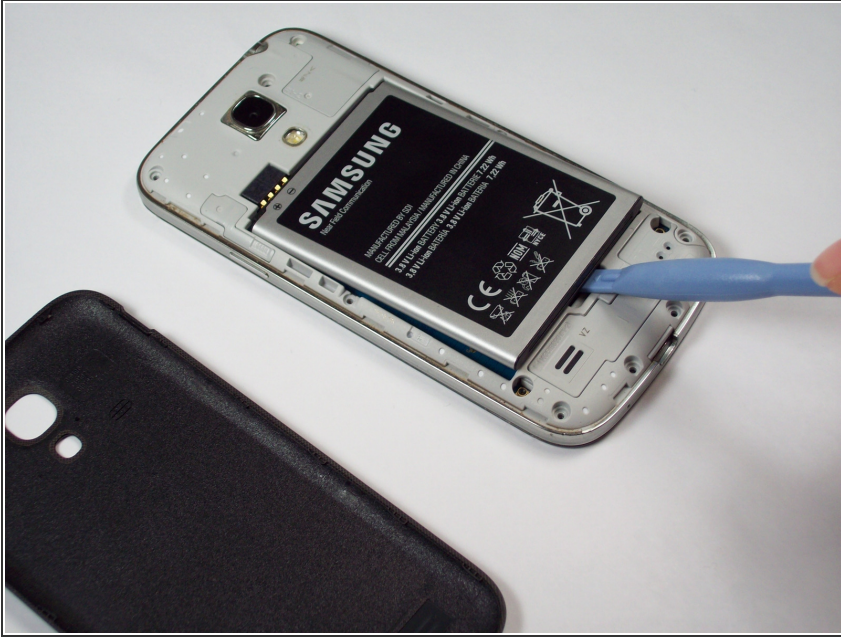
- Keep press the END key to turn off the phone (if turned on).

Step 2 — Open the cell phone



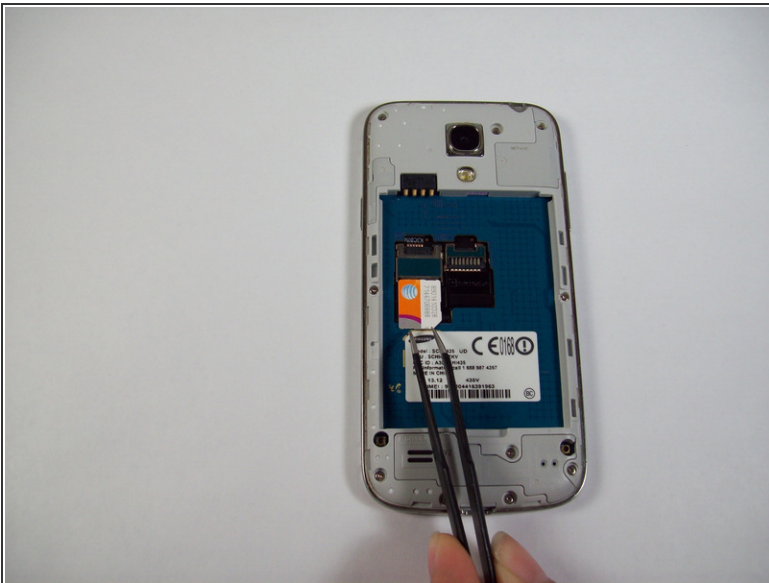
- Pull out the back cover of the cell phone with the help of a plastic opening tool.

Step 3 — Remove the battery



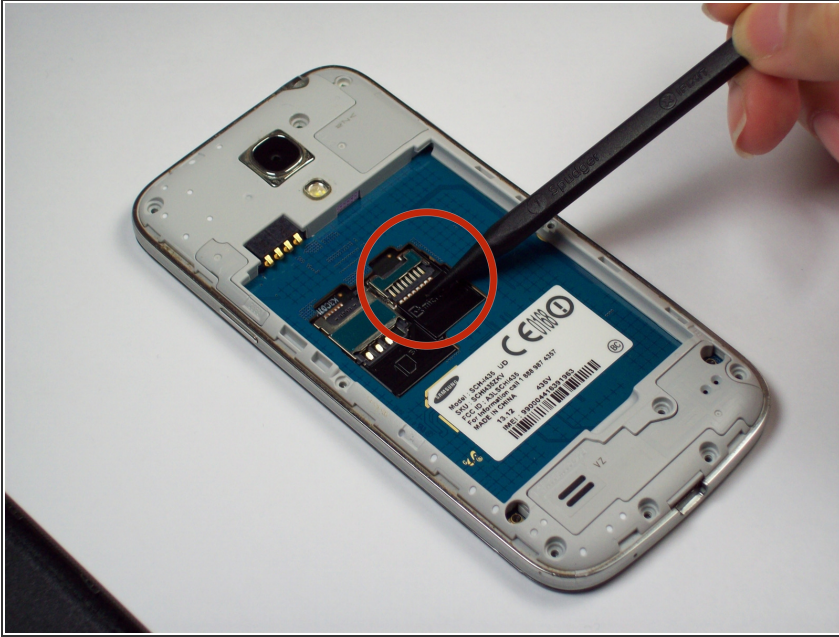
- Pull up the battery.

Step 4 — Remove old SIM Card.



- Remove the old SIM Card by sliding it towards the bottom of the device.

Step 5 — Remove the memory card



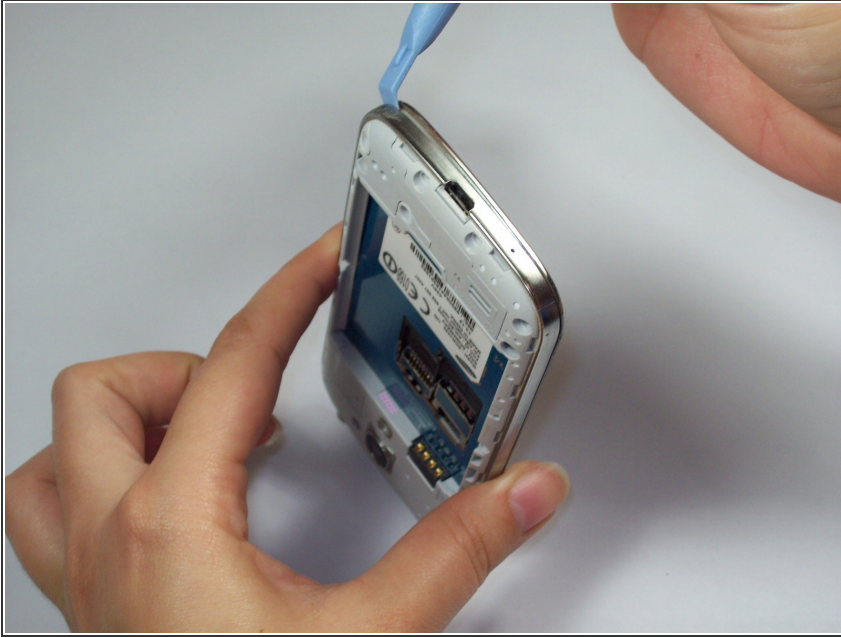
- Using your fingernail push through the hole at the top of the memory card holder, so it can be slid out.

Step 6 — Midframe Removal



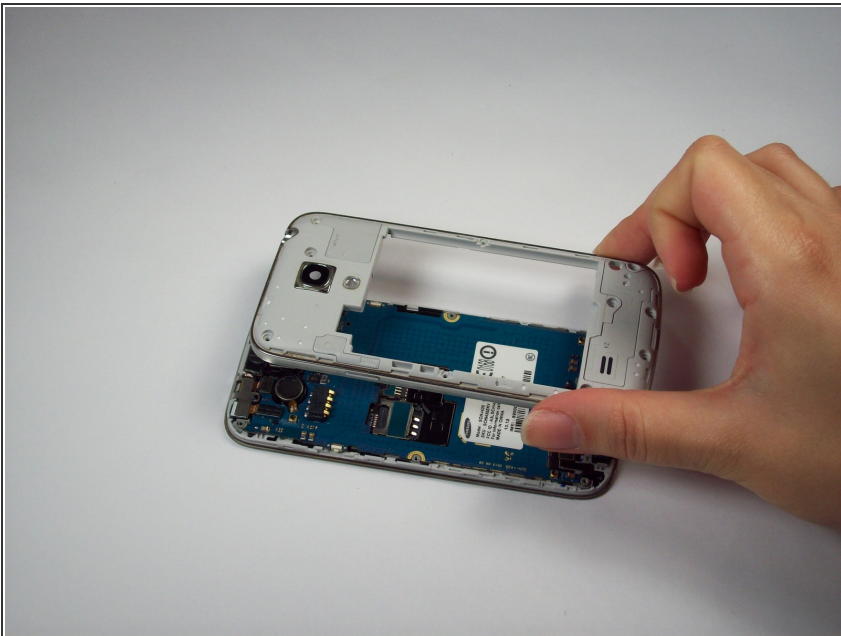
- Remove the 10 4.0 mm Phillips screws on the back of the phone using the #00 Phillips screwdriver.
- Not needed, but Tweezers can be helpful in removing the screws from their holes, as their size makes removal a tad difficult.

Step 7 — Midframe Removal



- Starting at the USB port, slide a plastic tool around the perimeter of the phone between the rear housing and frame. As you work your way around the edge you will feel the clips release.

Step 8 — Midframe Removal



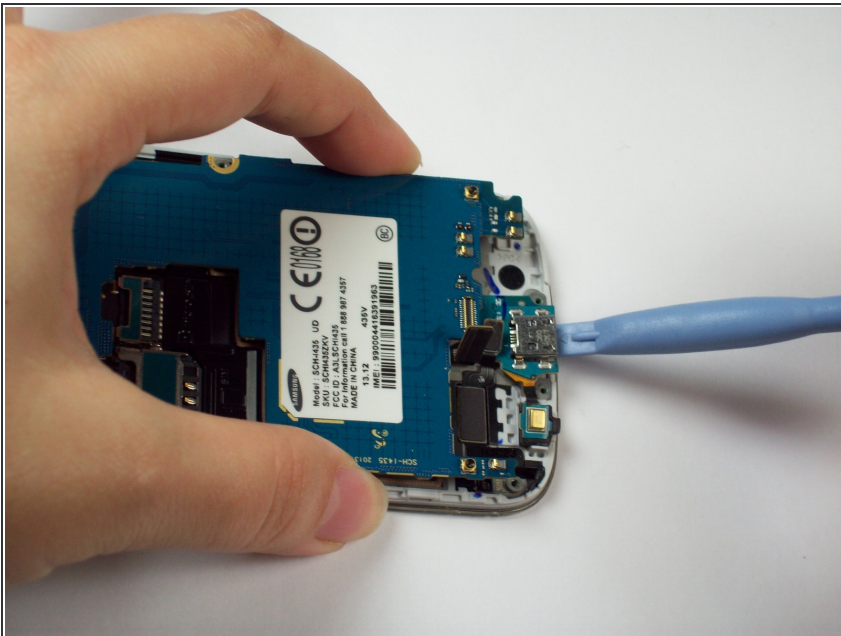
- Carefully separate the rear housing and the mid-frame to reveal the inside of the phone.

Step 9 — Flex Cable Removal



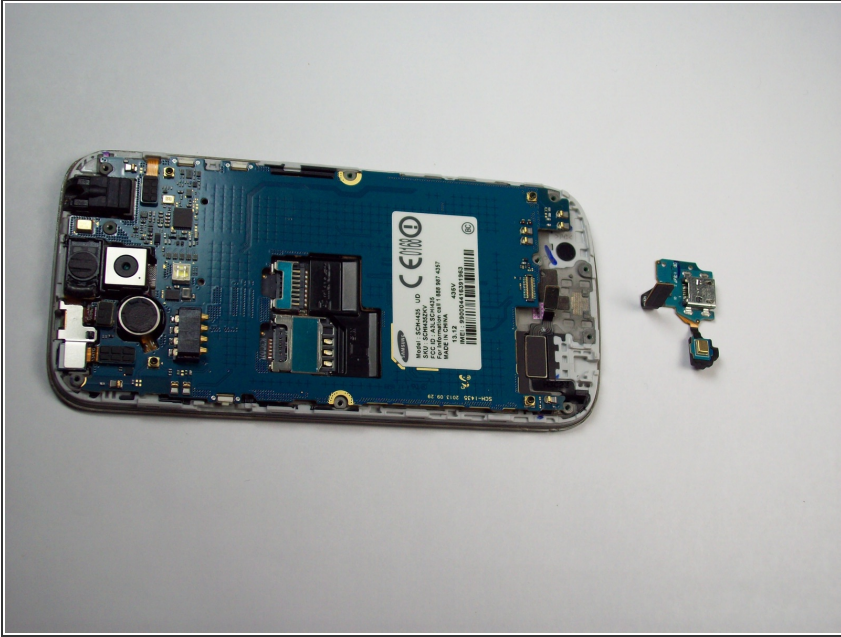
- Remove the 2 flex cables shown that attach to the USB board, Tweezers can be especially helpful here.

Step 10 — USB Board Removal



- Gently pry underneath the charging port using the plastic opening tool to separate it from the double sided tape below.

Step 11 — USB Board Removal



- Once its released, gently lift the main board and remove the USB board containing the charging port.

To reassemble your device, follow these instructions in reverse order.

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